



## Dr. Meghnad Saha College

B.Sc. Semester II (CBCS) Internal Assessment 2020

Subject: <Mathematics (Gen)>

Discipline Core (DC-02)

Time: 30 Minutes

Full Marks: 10

Name of the student: .....

Student ID (College): .....

Registration No. (UGB): ..... Year: .....

Roll (UGB): ..... No.: .....

**Answer all the questions below**  
*(Figures in the margin indicates full marks)*

**Q.1.** State and Prove Rolle's theorem for a function.

**2.** Solve  $\frac{d^2y}{dx^2} + y = \sin x$ .

**5×2=10**